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## **New and interesting Portuguese Lepidoptera records from 2008 (Insecta: Lepidoptera)**

**M. F. V. Corley, E. Marabuto, E. Maravalhas, P. Pires & J. P. Cardoso**

### **Abstract**

35 species are added to the Portuguese Lepidoptera fauna and three species deleted, mainly as a result of fieldwork undertaken by the authors in the last year. In addition, second and third records for the country and new food-plant data for a number of species are included. A summary of papers published in 2008 affecting the Portuguese fauna is included.

KEY WORDS: Insecta, Lepidoptera, distribution, Portugal.

### **Novos e interessantes registos portugueses de Lepidoptera os 2008 (Insecta: Lepidoptera)**

### **Resumo**

Como resultado do trabalho de campo desenvolvido pelos autores principalmente no ano de 2008, são adicionadas 35 espécies de Lepidoptera para a fauna de Portugal e três são retiradas da lista nacional. Adicionalmente, são apresentados segundos e terceiros registos de espécies previamente conhecidas além de novas plantas alimentícias para algumas outras espécies. Finalmente, é apresentado um sumário dos trabalhos relevantes para a fauna portuguesa publicados no ano de 2008.

PALAVRAS CHAVE: Insecta, Lepidoptera, distribuição geográfica, Portugal.

### **Nuevas e interesantes citas portuguesas de Lepidoptera del 2008 (Insecta: Lepidoptera)**

### **Resumen**

Con el trabajo de campo efectuado por los autores principalmente durante el año de 2008, se añaden 35 especies de Lepidoptera a la fauna de Portugal y se eliminan tres especies de la lista nacional. Adicionalmente, se indican segundas y terceras citas de especies ya conocidas del país y también nuevas plantas nutricias de algunas otras especies. Finalmente se presenta un resumen de los trabajos publicados en 2008 que son relevantes para la fauna portuguesa.

PALABRAS CLAVE: Insecta, Lepidoptera, distribución geográfica, Portugal.

### **Introduction**

This paper gives records of species of Lepidoptera added to the Portuguese fauna in 2008, with additional data including second and third records of species and sometimes further older records

where we consider that a species has been neglected, significant extensions of range within Portugal and new data on larval food-plants within the country. It follows the format of (CORLEY *et al.*, 2008). It is the third in the series of annual summaries of new knowledge of Portuguese Lepidoptera. Finally, papers published in 2008 that relate to the Portuguese Lepidoptera fauna are listed and briefly summarised.

35 species new for Portugal are listed below, of which five are also new to the Iberian Peninsula. Seven of these species, marked (\*) have been previously listed for Portugal, but the records were erroneous, questionable or in two cases probably correct but overlooked until recently. Three species are deleted from the Portuguese fauna.

With these changes the total number of Lepidoptera species currently recognised for Portugal is 2425.

## Material and Methods

Most species were captured at mercury vapour light over a white sheet. Where this was not the case, the means of capture is given. Specimens are retained in the collections of the original recorders, unless otherwise stated.

The order and nomenclature of families and species follows KARSHOLT & RAZOWSKI (1996) with some modifications reflecting more recent works. The nomenclature of plant names mainly follows TUTIN *et al.* (1964-1980).

The entry for species new for Portugal concludes with a summary of the known European distribution, and available information on the larval food-plant, given in square brackets if the information comes from outside Portugal.

## Localities with UTM squares and altitude: (District in brackets)

The map below shows the 10 x10 km UTM grid squares from which records cited in this paper were made.

Abreiro station (Vila Flor), Tua valley	PF4478	170 m
Águas de Moura (Palmela)	NC2169	5 m
Adães Novos, north of Campo Maior (Campo Maior)	PD6426	275 m
Albergaria, Serra do Gerês (Terras de Bouro)	NG7127	700 m
Alcongosta (Fundão)	PE2942	680 m
Alpedrinha (Fundão)	PE3040	570 m
Alvados (Porto de Mós)	ND1978	250 m
Alvarrões (Marvão)	PD3756	680 m
Amieiro (Alijó), Tua valley	PF3471	150 m
Apeadeiro do Guadiana (Serpa)	PC1804	80 m
Arganil	NE8052	190 m
Arnal (Vila Real), Serra do Alvão	NF9976	920 m
Arzila (Coimbra)	NE3747	6 m
Assumadas, north of Alte (Loulé)	NB7327	260 m
Beça, Esculca, (Boticas), Serra do Barroso	PG0815	790 m
Boliqueime (Loulé)	NB7510	70 m
Caria (Belmonte)	PE3961	480 m
Carvalhal (Bragança), Serra da Nogueira	PG7821	1210 m
Carvalhal da Boalhosa, above Rio Trovela (Ponte de Lima)	NG4120	280 m
Carvalhelhos (Boticas), Serra do Barroso	PG0516	800 m
Casais da Serra, Serra da Arrábida (Setúbal)	MC9859	145 m
Cascata do Arado, Serra do Gerês (Terras de Bouro)	NG7219	720 m
Casmilo, Serra de Janeanas (Condeixa-a-Nova)	NE4333	300 m

Castelejo (Fundão)	PE2142	470 m
Castelo do Rabaçal (Penela)	NE3049	305 m
Ceira (Coimbra)	NE5247	100 m
Conceição (Tavira)	PB2412	30 m
Condeixa-a-Velha (Condeixa-a-Nova)	NE4536	200 m
Covão do Boi, Serra da Estrela (Manteigas)	PE1864	1850 m
Covão do Vidual, near Lagoa Comprida (Seia), Serra da Estrela	PE1570	1480 m
Covilhã, N.W. of,	PE2560	1000 m
Curva do Teixo, Vale do Zêzere (Manteigas)	PE2064	1370 m
Ermelo (Mondim de Basto), Serra do Alvão	NF9280	300 m
Escusa (Marvão)	PD3762	550 m
Espiguiinho, (Penamacor) Serra da Malcata	PE6560	950 m
Forte do Vale de Beirão, by R. Guadiana, 9 km east of Baleizão (Beja)	PC1905	50 m
Freixiel (Vila Flor)	PF4876	400 m
Freixo de Numão (Vila Nova de Foz Côa)	PF4848	450 m
Galegos (Marvão)	PD4461	470 m
Herdade da Comenda (Elvas)	PD6907	170 m
Herdade do Esporão (Reguengos de Monsaraz)	PC2649	200 m
Ilha da Culatra (Faro)	PA0395	4 m
Lapa dos Dinheiros (Seia), Serra da Estrela	PE0970	720 m
Manteigas, Serra da Estrela	PE2473	760 m
Mata (Castelo Branco)	PE4117	340 m
Moimenta (Vinhais)	PG6746	900 m
Molhe, Rosmaninhal (Idanha-a-Nova)	PD6692	210 m
Monsanto	ND2468	150 m
Monte Abraão, Queluz (Sintra)	MC7691	200 m
Monte Barata (Castelo Branco)	PD4496	220 m
Monte da Lage (Serpa)	PC3201	200 m
Monte Francisco (Castro Marim)	PB3822	2 m
Montouto (Vinhais)	PG6643	1010 m
Morais, 1.5km NE of Sobreda (Macedo de Cavaleiros)	PF8397	730 m
Morgado de Arge (Portimão)	NB4214	5 m
Palmeira (Braga)	NG4804	100 m
Parque Biológico de Gaia (Vila Nova de Gaia)	NF3650	110 m
Parque Biológico de Vinhais, 0.5 km NE of, (Vinhais)	PG6736	940 m
Parque de Campismo das Cerdeirinhas, Campo do Gerês (Terras de Bouro)	NG6623	650 m
Pendilhe (Vila Nova de Paiva)	NF9929	870 m
Penedo Furado (Ferreira do Alentejo)	NC8313	220 m
Penhas Douradas (Manteigas)	PE2274	1480 m
Peninha, Colares (Sintra)	MC6095	480 m
Picote (Miranda do Douro)	QF2284	580 m
Poço do Inferno, Serra da Estrela (Manteigas)	PE2570	1100 m
Ponte de Castrelos (Bragança)	PG7433	640 m
Povolide (Viseu)	PF0102	470 m
Quinta da Baleia (Oliveira do Hospital)	NE9876	280 m
Quinta da Taberna, 4km SW of Videmonte by R. Mondego (Guarda)	PE3382	800 m
Reguengos de Monsaraz	PC2445	180 m
Ribeira de Cortes (Covilhã)	PE2462	1293 m
Ribeira de Seda (Alter do Chão)	PD1146	160 m
Ribeira do Ceto (Elvas)	PD6807	170 m
Rio de Onor (Bragança), Serra de Montesinho	PG9746	700 m
Santa Clara (Coimbra)	NE4650	80 m
São Fiel (Fundão), Serra da Gardunha	PE2733	480 m
São Pedro do Sul	NF7414	350 m
São Romão (São Brás de Alportel)	NB9412	250 m

Sardeira, (Lousã), Serra da Lousã	NE6838	700 m
Sarzedo (Covilhã), Serra da Estrela	PE3369	760 m
Seia, Serra da Estrela	PE1075	520 m
Seixo Branco, below Penhas Douradas (Manteigas)	PE2273	1120 m
Serra da Lousã (Lousã)	NE6435	880 m
Serra da Pevide (Porto de Mós)	ND1483	210 m
Serra de Montejunto (Alenquer)	MD9436	620 m
Serra de Castelo de Vide (Castelo de Vide)	PD3363	700 m
Serra do Mendro (precise locality unknown)	PC0633	400 m
Sobral da Adiça (Moura)	PC5111	190 m
Soutelo de Aguiar (Vila Pouca de Aguiar)	PF1391	1065 m
Tebosa (Braga)	NF4392	200 m
Torre (Montemor-o-Velho)	NE2748	75 m
Ucanha (Tarouca)	PF0545	470 m
Valado (Nespereira, Cinfães), Serra de Montemuro	NF7140	500 m
Vale de Águia (Miranda do Douro)	QG3000	680 m
Vale do Zêzere (Manteigas), Serra da Estrela	PE2269	1050 m
Valinhas, Monte Córdova (Santo Tirso)	NF4673	280 m
Videmonte, bridge over R. Mondego (Guarda)	PE3785	740 m
Vilarinho das Azenhas (Vila Flor)	PF5083	190 m
Zimão (Vila Pouca de Aguiar), Serra do Alvão	PF1289	710 m

## Recorders

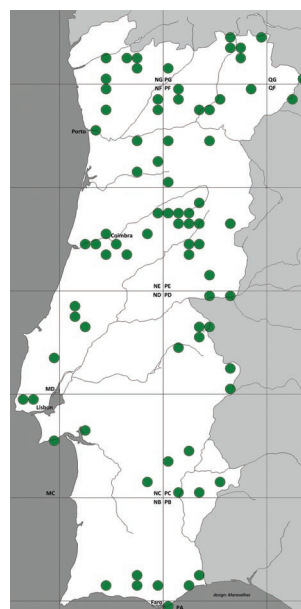
Jérôme Barbut; João-Pedro Cardoso; José Passos de Carvalho; Martin F.V. Corley; Dinis Cortes; Michael J. Dale; Sónia Ferreira; Adrian J. Gardiner; Jorge Gomes; Humberto Grácio; Aleš Laštůvka; Zdeněk Laštůvka; José Manuel Grosso-Silva; Valter Jacinto; Eduardo M. Marabuto; Ernestino Maravalhas; Erik J. van Nieukerken; J. Pereira Coutinho; Pedro Pires; Ivo Rodrigues; Paulo Rodrigues; Fernando Romão; Paulo Simões; Pedro Sousa; David Wilton

## Abbreviations and symbols:

coll.	collection
conf.	confirmed by
det.	determined by
IZPC	Natural History Museum of the Sciences Faculty of Porto
MNHN	Muséum National d'Histoire Naturelle, Paris
MZCP	Museum of Zoology, University of Coimbra
*	New for Portugal
**	New for the Iberian Peninsula

### Provinces:

AAL	Alto Alentejo
ALG	Algarve
BA	Beira Alta
BAL	Baixo Alentejo
BB	Beira Baixa
BL	Beira Litoral
DL	Douro Litoral
E	Estremadura
M	Minho
R	Ribatejo
TM	Trás-os-Montes



## List of families and species

### MICROPTERIGIDAE

*Micropterix granatensis* Heath, 1983

Second Portuguese locality: AAL: Reguengos de Monsaraz, on *Cistus* flowers, 12-IV-2008, Pires, det. Zeller-Lukashort. Previously recorded from ALG: Picota (CORLEY, 2007), based on a single female. The new record based on male genitalia determination provides additional confirmation of the presence in the country of this species.

### HEPIALIDAE

*Triodia sylvina* (Linnaeus, 1761)

Second Portuguese record. E: Serra da Pevide, 28-IX-2008, Corley, Marabuto & Pires. Previously recorded from E: near Cascais (CORLEY *et al.*, 2008).

### TISCHERIIDAE

*Tischeria ekebladella* (Bjerkander, 1795)

BL: Santa Clara, larval mines on *Quercus faginea*, 31-V-2008, adults emerged 20-VI-2008, Corley & Pires.

*Tischeria decidua* Wocke, 1876

Second Portuguese record: BA: São Pedro do Sul, 4-VIII-2008, Pires, det. Corley. Previously recorded from Minho (CORLEY *et al.*, 2007).

### TINEIDAE

*Myrmecozela ataxella* (Chrétien, 1905)

Third Portuguese record. BAL: Sobral da Adiça, 5-VI-2008, Corley, Marabuto & I. Rodrigues. Previous records from Algarve (CORLEY *et al.*, 2000).

*Morphaga choragella* (Denis & Schiffmüller, 1775)

Second to fourth records: M: Albergaria, 16-IX-2003, Corley; Cascata do Arado, 17-IX-2003, Corley; BA: São Pedro do Sul, 30-VII-2007, Pires, det. Corley. Previously recorded from TM: Montalegre by Monteiro (AMSEL, 1959).

*Elatobia fuliginosella* (Lienig & Zeller, 1846)

Third Portuguese locality: DL: Parque Biológico de Gaia, 9-VI-2008, Corley. Previously recorded from two localities in Beira Litoral (CORLEY *et al.*, 2006; PIRES & CORLEY, 2007).

\* *Tinea dubiella* Stainton, 1859

BL: Ceira, 26-VI-2008, Pires, det. Corley. Widely distributed mainly in middle latitudes of Europe, but not recorded from several countries. [Larva on animal matter, mainly wool, fur and feathers].

### BUCCULATRICIDAE

\*\* *Bucculatrix cidarella* (Zeller, 1839)

BA: Quinta da Taberna, 28-VI-2008, Marabuto & Pires, det. Corley. Middle and northern latitudes of Europe. [Larva on *Alnus* and *Myrica gale*].

\*\* *Bucculatrix demaryella* (Duponchel, 1840)

BA: Poço do Inferno, 6-VI-2008, Corley. Middle and northern latitudes of Europe. [Larva on *Betula*, also recorded on *Castanea* and *Corylus*].

#### GRACILLARIIDAE

*Caloptilia fidella* (Reutti, 1853)

TM: Vilarinho das Azenhas, 2-X-2008, empty larval mines and spinings on *Humulus* (the normal host plant) and *Celtis australis*, and empty mines on *Ulmus*, Corley. It was concluded that development had not been completed on *Ulmus*, where no spinings were found, but it is possible that these larvae may have completed their development on *Humulus*, which was intertwined with the *Ulmus*.

*Parornix devoniella* (Stainton, 1850)

Second and third Portuguese records. Mines and spinings on *Corylus*, TM: Ermelo, 4-IX-2002, Corley; DL: Parque Biológico de Gaia, 2-X-2008, Corley. First recorded from Sintra (CORLEY *et al.*, 2006).

\* *Phyllonorycter mespilella* (Hübner, 1805) (see TRIBERTI, 2007)

AAL: Alvarrões, 5-XI-2000, mines on *Malus*, Corley; ALG: São Romão, 14-IX-2002 ex larva on *Cydonia oblonga*, Corley; BA: Povolide, 21-VI-2004, A. & Z. Laštůvka; ALG: Odelouca, 21-VI-2007, A. & Z. Laštůvka. The first Algarve record above was published as *P. cydoniella*, new for Algarve, in CORLEY (2005). Middle and southern latitudes of Europe, but rare in south-east. [Larva also mining *Amelanchier*, *Sorbus*, *Pyrus*, *Mespilus* and *Cotoneaster*].

#### YPONOMEUTIDAE

*Kessleria brevicornuta* Huemer & Tarmann, 1992

Third and subsequent records: TM: Freixo do Numão, 1-VI-2005, Corley; Amieiro, 2-VI-2008, 30-IX-2008, Corley; BA: Videmonte, 8-VI-2008; Covão do Vidual, 4-X-2008, Corley. Previously recorded from Serra da Estrela and Serra do Alvão (CORLEY *et al.*, 2006). Only the male was described originally, and several Portuguese specimens have been females. When both sexes were found in 2008 in a single locality (Amieiro) it became possible to be confident that the females definitely belonged to *K. brevicornuta*. *Kessleria* species are essentially mountain Lepidoptera. It is surprising that the altitudinal range of *K. brevicornuta* in Portugal goes from as low as 150m at Amieiro to 1480m in Serra da Estrela.

#### PLUTELLIDAE

*Eidophasia syenitella* Herrich-Schäffer, 1854

Second and subsequent Portuguese records: AAL: Galegos, 3-VI-1996, Corley; Serra de Castelo de Vide, 13-IV-1997, Corley; BB: Monte Barata, 9-V-2005, Pires, det. Corley; BAL: Apeadeiro do Guadiana, 29-III-2008, Marabuto & I. Rodrigues. First recorded from Algarve (CORLEY *et al.*, 2000).

#### ETHMIIDAE

*Ethmia aurifluella* (Hübner, 1810)

Third and fourth Portuguese records: E: Monte Abraão, 23-V-2004, Marabuto & Paulo Simões; Serra de Montejunto, 2-V-2008, Marabuto. Previously known from E: Setúbal (VIEILLEDENT, 1905) and nearby Serra da Arrábida (CARVALHO, 1980).

## DEPRESSARIIDAE

*Agonopterix purpurea* (Haworth, 1811)

TM: Vilarinho das Azenhas, larva on *Chaerophyllum temulum*, 3-VI-2008, Corley; Abreiro station, larva on *Daucus muricatus*, 3-VI-2008, Corley.

*Depressaria marcella* Rebel, 1901

Third Portuguese record. AAL: Herdade da Comenda, larvae on flower-buds of *Daucus muricatus*, 5-VI-2008, Corley. Previously recorded from two localities in Algarve (VIVES MORENO, 1992; CORLEY *et al.*, 2000).

(\*) *Depressaria douglasella* Stainton, 1849

BL: Santa Clara, 31-V-2008, Corley & Pires; Castelo do Rabaçal, 27-IX-2008, Corley & Pires. An earlier record from Algarve (CARVALHO & CORLEY, 1995) was a misidentification, corrected in CORLEY *et al.* (2000). South and middle latitudes of Europe, extending north to north England and central Sweden. [*Daucus*, *Pastinaca*, *Torilis*, *Seseli* and *Carum*].

## ELACHISTIDAE

*Elachista atricomella* Stainton, 1849

Second Portuguese record: Condeixa-a-Velha, 13-VI-2008, Pires, det. Corley. Previously recorded from BL: Ceira (CORLEY *et al.*, 2007).

*Elachista adscitella* Stainton, 1851

Third Portuguese record: BL: Ceira, 18-IX-2007, Pires, det. Corley. Previously recorded from Coimbra (PIRES & CORLEY, 2007), given in that paper as the first Portuguese record. However, MENDES (1904) recorded *E. megerlella* (Hübner, 1810) (now called *E. obliquella* Stainton, 1854) from BB: São Fiel, giving *E. adscitella* as a synonym. The record evidently belongs to *E. adscitella* and not to *E. obliquella*.

Delete *Elachista obliquella* Stainton, 1854 (*E. megerlella* auctt. non Hübner, 1810) from the Portuguese list, as it was included through nomenclatural confusion with *E. adscitella* Stainton, 1851 (*q.v.* above).

## AGONOXENIDAE

*Haplochrois albanica* (Rebel, 1931)

Third Portuguese record: DL: Parque Biológico de Gaia, 9-VI-2008, Corley. Previously recorded from Serra da Arrábida and Serra de São Mamede (CORLEY *et al.*, 2006).

## OECOPHORIDAE

*Esperia oliviella* (Fabricius, 1794)

Second Portuguese record: BA: Quinta da Taberna, 28-VIII-2006, Marabuto & Pires. Previously recorded from BB: São Fiel (MENDES, 1904).

## LECITHOCERIDAE

*Odites ternatella* (Staudinger, 1859)

BB: Ribeira de Cortes, 23-VII-2008, Ferreira & Sousa, det. Corley. All other known Portuguese sites are from low altitudes (CARVALHO, 1980; MONTEIRO & CARVALHO, 1984;



CORLEY *et al.*, 2000). Another new record is BAL: Sobral da Adiça, 5-VI-2008, Corley, Marabuto & Ivo Rodrigues.

## COLEOPHORIDAE

*Coleophora albella* (Thunberg, 1788)

Second Portuguese record: E: Serra de Montejunto, adults on flowers of *Silene longicilia*, 2-V-2008, Marabuto. Previously recorded from M: Armil, Fafe (VIVES MORENO, 1987).

*Coleophora flavipennella* (Duponchel, 1843)

Second Portuguese record. BA: São Pedro do Sul, 4-VIII-2008, Pires, det. Corley. Previously recorded from E: Serra da Arrábida (VIVES MORENO, 1987).

\* *Coleophora adjectella* Herrich-Schäffer, 1861

TM: Abreiro station, larval case on *Prunus spinosa*, 3-VI-2008, Corley. From south England and Sweden to Greece and Italy, but absent from many countries.

\*\* *Coleophora violacea* (Ström, 1783)

DL: Parque Biológico de Gaia, 9-VI-2008, Corley. North and west Europe extending to Slovakia, Austria and north Italy. [Larva polyphagous on trees and some herbs, particularly Rosaceae, but also *Alnus*, *Betula*, *Corylus*, *Carpinus*, *Tilia* and *Ulmus*].

*Coleophora flaviella* Mann, 1857

Second and third Portuguese records: AAL: Escusa, 13-IV-1997, Corley; BL: Torre, 3-V-2008, Pires, det. Corley. Previously recorded from Algarve (CARVALHO & CORLEY, 1995).

\* *Coleophora galbulipennella* Zeller, 1838

BA: Seixo Branco, larval cases on *Silene nutans*, 7-VI-2008, Corley; Vale de Zêzere, larval cases on *Silene nutans*, 8-VI-2008, Corley. Middle latitudes of Europe, Sweden, Greece. Absent from much of northern and southern Europe and Mediterranean islands. [Larva also recorded on *Silene italica*, *S. vulgaris*, *Cerastium* and *Arenaria*].

\* *Coleophora striatipennella* Nylander, 1848

TM: Vilarinho das Azenhas, adults swept from *Stellaria graminea*, 3-VI-2008, Corley. Most of Europe but rarer in south and absent from south-east and Mediterranean islands. [Larva on *Stellaria* and *Cerastium*].

*Coleophora nutantella* Mühlig & Frey, 1857

Second Portuguese record. TM: Amieiro, 2-VI-2008, Corley. Previously recorded from TM: Freixo do Numão (CORLEY *et al.*, 2006).

*Coleophora saponariella* Heeger, 1848

Second and third Portuguese records. TM: Larval cases on *Saponaria officinalis*, Brunheda, 1-X-2008, Corley, and Abreiro station, 1-X-2008, Corley. Previously found further up R. Tua (CORLEY *et al.*, 2007).

\* *Coleophora vermiculatella* Glaser, 1975

ALG: Ilha da Culatra, 18-VIII-2008, Pires, Cardoso & Marabuto, det. Corley. Spain. [Larva on flowers and fruits of *Salsola vermiculata*].

## MOMPHIDAE

\* *Mompha locupletella* (Denis & Schiffermüller, 1775)

BA: Curva do Teixo, found by day, 4-VII-2006, Grosso-Silva, det. Corley. Middle and northern latitudes of Europe. [Larva on *Epilobium alsinifolium*, *E. palustre*, *E. montanum* and *E. lanceolatum*].

## BLASTOBASIDAE

Delete *Blastobasis roscidella* (Zeller, 1847)

Record by CORLEY (2005), but the specimens are *Kasyniana xenias* (Meyrick, 1891).

*Blastobasis magna* Amsel, 1952

SINEV (2007) lists this species from Portugal without data. Possibly this is a transfer of the record of *B. roscidella* given above to the new species. If so then *B. magna* is not known in Portugal.

*Blastobasis decolorella* Wollaston, 1858

Third and subsequent localities: DL: Parque Biológico de Gaia, 9-VI-2008, 5-X-2008, Corley; Mindelo, 26-IX-2008, Corley.

## COSMOPTERIGIDAE

*Eteobalea dornhii* (Zeller, 1847)

Extension of range: E: Águas de Moura, 7-IX-2007, Marabuto, det. Corley. Previously recorded from several localities in Algarve, all but one being on or close to the coast (CARVALHO & CORLEY, 1995; CORLEY *et al.*, 2000).

\* *Pyroderces caesaris* Gozmány, 1957

ALG: Ilha da Culatra, 18-VIII-2008, Pires, Cardoso & Marabuto, det. Corley. Mediterranean from Spain to Crimea. [Larva on seeds of species of *Echinops*, *Centaurea* and *Cirsium*].

## GELECHIIDAE

*Monochroa nigromaculella* (Millière, 1872)

Second Portuguese record: TM: Amieiro, 30-IX-2008, Corley. Previously recorded from Beira Baixa (CORLEY *et al.*, 2008).

*Stenolechia gemmella* (Linnaeus, 1758)

Third Portuguese record: E: Serra da Pevide, 28-IX-2008, Corley, Marabuto & Pires. Previously recorded from Serra do Alvão and Gerês (CORLEY *et al.*, 2006).

*Athrips rancidella* (Herrich-Schäffer, 1854)

Second Portuguese record: TM: Vilarinho das Azenhas, larva on *Crataegus monogyna*, 3-VI-2008, Corley. Previously recorded from Serra da Arrábida (CORLEY *et al.*, 2006).

\*\* *Cosmardia moritzella* (Treitschke, 1835)

BA: Lapa dos Dinheiros, 11-IX-2008, Marabuto & Pires, det. Corley. Middle latitudes of Europe from France to Romania, Latvia, Norway, but absent from a number of countries. [Larva on *Silene vulgaris*, *S. bellidifolia* and *S. latifolia*].

\* *Anarsia bilbainella* (Rössler, 1877)

DL: Valinhas, 6-X-2008, Corley. France and Spain. Foodplant unknown.

## SESIIDAE

### *Synanthedon codeti* (Oberthür, 1881)

Second and subsequent Portuguese records: TM: Picote, in malaise trap, anon, det. Corley; R: Monsanto, 19-VI-2005, A. & Z. Laštůvka; ALG: Assumadas, 22-VI-2005, A. & Z. Laštůvka; AAL: Adães Novos, 12-VI-2008, Marabuto. Previously recorded from Algarve without date or locality (CORLEY, 2005).

### *Bembecia uroceriformis* (Treitschke, 1834)

Second Portuguese record: DL: Parque Biológico de Gaia, 13-VII-2007, Gomes, det. Corley from photograph. Previously recorded from Douro Litoral (MONTEIRO, 1956).

### \* *Pyropteron koschwitzi* (Špatenka, 1992)

ALG: Monte Francisco, one female taken by day, 19-VI-2007, A. & Z. Laštůvka; 17-VI-2008, 13 males, 3 females, taken by day, some at pheromone lure, A. & Z. Laštůvka. Central and north-east Spain. [Larva in roots of *Limonium*].

### *Pyropteron hispanica* (Kallies, 1999)

Extension of range: BA: Manteigas, 22-VI-2002, A. & Z. Laštůvka; BB: S. of Alpedrinha, 23-VI-2002, A. & Z. Laštůvka. Previously recorded from four localities in Algarve (CORLEY, 2005). Several other localities are now known in Algarve.

### *Pyropteron leucomelaena* (Zeller, 1847)

Second and subsequent records: BB: N.W. of Covilhã, 21-VI-2002, A. & Z. Laštůvka; Sarzedo, 21-VI-2003, A. & Z. Laštůvka; Caria, 22-VI-2003, A. & Z. Laštůvka; R: Monsanto, 19-VI-2005, A. & Z. Laštůvka; Alvados, 20-VI-2005, A. & Z. Laštůvka; AAL: Herdade do Esporão, 18-V-2008, Marabuto & Pires. Previously recorded from Algarve (CORLEY, 2005).

## TORTRICIDAE

### *Aethes tesserana* (Denis & Schiffermüller, 1775)

Second Portuguese record. DL: Valinhas, 31-V-2008, Corley. Previously recorded from Minho (CORLEY *et al.*, 2007).

### *Acleris sparsana* (Denis & Schiffermüller, 1775)

Second Portuguese locality: BA: Poço do Inferno, 3-X-2008, Corley, Marabuto & Pires. Previously recorded from nearby Caldas de Manteigas (CORLEY, 2002).

### *Oxypteron schawerdai* (Rebel, 1936)

Second and third Portuguese records: BAL: Monte da Lage, 7-X-2006, Marabuto, det. Corley; TM: Abreiro station, 1-X-2008, Corley. Previously recorded from Algarve (CORLEY *et al.*, 2000).

### *Tortricodes alternella* (Denis & Schiffermüller, 1775)

Second and third confirmed Portuguese records: M: Palmeira, 7-IV-1978, Carvalho, det. Corley; E: Casais da Serra, 23-II-2008, Marabuto, Maravalhas, Cardoso & Pires, det. Corley. Previously recorded from Algarve (CARVALHO & CORLEY, 1995). An earlier record from Algarve (MONTEIRO & CARVALHO, 1984) is suspect, as the date given is May.

### *Cnephasia hellenica* Obraztsov, 1950

Second and third Portuguese records. AAL: Portagem, 6-VI-1996, Corley; TM: Abreiro station, 3-VI-2008, Corley. First recorded from Algarve (CARVALHO & CORLEY, 1995).

\* *Ditula joannisiana* (Ragonot, 1888)

TM: Freixiel, 2-X-2008, Corley. France and Spain. [Larva on *Lavandula stoechas*].

*Aneuxanthis locupletana* (Hübner, 1822)

Second and subsequent Portuguese records. E: Arrábida, 21-VII-1978, Carvalho, det. Corley; TM: Beça, 11-VII-2005, Maravalhas; BB: Ribeira de Cortes, 23-VII-2008, Ferreira & Sousa, det. Corley. Previously recorded from Algarve (CORLEY *et al.*, 2000).

*Celypha aurofasciana* (Haworth, 1811)

Third Portuguese locality. DL: Parque Biológico de Gaia, 9-VI-2008, Corley. Previously recorded from two localities in the lower Mondego valley (PIRES & CORLEY, 2007).

*Lobesia indusiana* (Zeller, 1847)

Second Portuguese record: ALG: Ilha da Culatra, 18-VIII-2008, Cardoso, Marabuto & Pires, det. Corley. Previously recorded from ALG: Meia Praia (CORLEY, 2005).

*Lobesia littoralis* (Westwood & Humphreys, 1845)

Third Portuguese locality: ALG: Ilha da Culatra, 18-VIII-2008, Cardoso, Marabuto & Pires, det. Corley. Previously recorded from Setúbal (VIEILLEDENT, 1905) and BAL: Lagoa de Santo André (CORLEY, 2004).

*Epinotia festivana* (Hübner, 1799)

Third and fourth Portuguese records: TM: Freixo do Numão, 1-VI-2005, Corley; Santa Clara, 31-V-2008, Corley & Pires. Previously known from Beira Baixa (MENDES, 1913) and Beira Litoral (PIRES & CORLEY, 2007). This beautiful species was recently added to the Spanish fauna (GROENEN, 2002).

*Eucosma albuneana* (Zeller, 1847)

Extension of range: AAL: Ribeira do Ceto, 4-VI-2008, Corley. Previously recorded from three localities in Algarve (MONTEIRO & CARVALHO, 1984; CORLEY *et al.*, 2000).

*Gypsonoma dealbana* (Fröhlich, 1828)

DL: Parque Biológico de Gaia, 9-VI-2008, Corley. First confirmed Portuguese record. Previously recorded only from BB: São Fiel (MENDES, 1904) and Setúbal (VIEILLEDENT, 1905). A Mendes specimen in MNHN, Paris is misidentified; Vieilledent's specimen has not been found, and must be regarded as questionable (CORLEY, 2008).

(\*) *Grapholita funebrana* Treitschke, 1835

BB: Alcongosta, attracted to pheromone sticky trap, V-2002, J. Pereira Coutinho, conf. Corley; BL: Ceira, 26-VI-2008, Pires, det. Corley. Previously listed for Portugal in VIVES (1992), but we have not traced the record on which this was based. Almost all Europe except the far north. [Larva in fruits of *Prunus domestica*, *P. spinosa*, *P. persica*. *P. amygdalus* and more rarely *P. cerasus*].

*Grapholita molesta* (Busck, 1916)

Second Portuguese record: BL: Arganil, 4-V-2008, Pires, det. Corley. Previously recorded from R: Rio Maior (CORLEY *et al.*, 2006).

\* *Cydia gilvicihana* (Staudinger, 1859)

BL: Torre, 3-V-2008, Pires, det. Corley; Arganil, 4-V-2008, Pires, det. Corley. Spain, Balearic Islands, Sardinia. Biology unknown.

\*\* *Strophedra nitidana* (Fabricius, 1794)

DL: Parque Biológico de Gaia, 9-VI-2008, Corley. Middle latitudes of Europe, north to southern Scandinavia, Corsica. [Larva on *Quercus robur*].

*Dichrorampha letarfensis* Gibeaux, 1983

Second and third Portuguese records: TM: Abreiro station, 11-IX-2006, Corley; BL: Arzila, 14-X-2007, Pires, det. Corley. Previously recorded from Algarve (CORLEY, 2005).

#### CHOREUTIDAE

*Anthophila fabriciana* (Linnaeus, 1767)

DL: Mindelo, larva on *Parietaria judaica*, 10-VI-2008, Corley.

#### PTEROPHORIDAE

\* *Lantanophaga pusillidactylus* (Walker, 1864) (Genitalia figures in GIELIS, 1996)

ALG: Boliqueime, 6-VI-2008, Dale. This tropical species was first recorded in Spain in Tarragona in 1997 (KING, 2000). [Larva on flowers of *Lantana camara*]. (Fig. 1).

*Hellinsia carphodactyla* (Hübner, 1813)

Second and third Portuguese records: AAL: Ribeira de Seda, 4-VI-2007, Marabuto, det. Corley; BAL: Sobral da Adiça, 5-VI-2008, Corley, Marabuto & Ivo Rodrigues. Previously recorded from Beira Baixa (CORLEY *et al.*, 2007).

#### PYRALIDAE

\* *Scotomerodes syriacalis oranal* (Zerny, 1914) (*Aglossa fuliginosalis* (Zerny, 1927))

TM: Amieiro, 23-VII-2006, Corley; BB: Molhe, 16-VII-2007, Corley; BAL: Monte da Lage, 1-IX-2007, Marabuto, det. Corley. France and Spain. Foodplant unknown.

\* *Sciota rhenella* (Zincken, 1818)

TM: Abreiro station, 3-VI-2008, Corley. Middle latitudes of Europe, rarer in south and absent from south-east and Mediterranean islands. [*Populus nigra* and *P. alba*].

\* *Pempelia albariella* Zeller, 1839

BL: Castelo do Rabaçal, 27-IX-2008, Corley & Pires. Very scattered in south and south-central Europe from Spain and France to Slovakia and Ukraine. [Larva on *Astragalus* and *Onobrychis*].

*Phycita torrenti* Agenjo, 1962

Second Portuguese record. BAL: Monte da Lage, 1-IX-2007 Marabuto, det. Corley. Previously recorded from Algarve (CORLEY *et al.*, 2000).

*Hypochalcia ahenella* (Denis & Schiffermüller, 1775)

Third Portuguese record: TM: Ponte de Castrelos, 26-V-2006, Marabuto. Previously recorded from TM: Mirandela (MONTEIRO, 1976) and Abreiro station (CORLEY *et al.*, 2008).

\* *Trachycera suavella* (Zincken, 1818)

BA: Bridge below Videmonte, larva on *Crataegus*, 8-VI-2008, Corley. Middle and southern latitudes of Europe. [Larva also on *Prunus spinosa* and *Rhamnus*].

*Acrobasis sodalella* Zeller, 1848

Second Portuguese record: Casmilo, 8-IX-2006, Corley, Marabuto & Pires. Previously recorded from Algarve (CARVALHO & CORLEY, 1995).

*Gymnancyla canella* (Denis & Schiffermüller, 1775)

Second Portuguese record. ALG: Ilha da Culatra, 20-VIII-2007, Cardoso, det. Corley. Previously recorded from Douro Litoral (MONTEIRO, 1976).

\* *Gymnancyla ruscinonella* (Ragonot, 1888) (*Bazaria ruscinonella* Ragonot, 1888)

ALG: Ilha da Culatra, 18-VIII-2008, Cardoso, Marabuto & Pires, det. Corley. LERAUT (2007) places this species in *Gymnancyla*. The similarity in the genitalia of both sexes to those of *Gymnancyla* is certainly great. France and Spain. [Larva on *Atriplex halimus*]. (Fig. 2).

*Ancylosis arenosella* (Staudinger, 1859)

Second Portuguese locality: ALG: Ilha da Culatra, 18-VIII-2008, Cardoso, Marabuto & Pires, det. Corley. Previously recorded from ALG: Carrapateira (CORLEY *et al.*, 2000).

*Vitula biviella* (Zeller, 1848)

Second Portuguese locality: BA: Quinta da Taberna, 28-VIII-2006, Marabuto & Pires, det. Corley. Previously recorded from Algarve (CORLEY *et al.*, 2000).

#### CRAMBIDAE

Delete *Eurrhysis pollinalis* (Denis & Schiffermüller, 1775) from Portuguese list. There is no positive evidence that this species occurs in Portugal. All records are now considered to belong to the following species.

*Eurrhysis gutturalis* (Herrich-Schäffer, 1848)

Additional Portuguese records and a correction: TM: Soutelo de Aguiar, 9-VI-2007, Ferreira, det. Corley; BA: Pendilhe, 12-VII-2007, Grosso-Silva, det. Corley; ALG: Gambelas (Faro), 3-IV-2008, Jacinto, det. Marabuto. All the early records were made under the name of *E. pollinalis* (Denis & Schiffermüller, 1775) but it is likely that all belong to *E. gutturalis*. They are from BA: Seia (RAGONOT, 1881); BB: Castelejo and São Fiel (MENDES, 1904) and E: Setúbal (VIEILLEDENT, 1905). MARABUTO & MARAVALTHAS (2008) record it from TM: Lama Grande, but this is also now known to be a misidentification of *E. gutturalis*.

\* *Udea institalis* (Hübner, 1819)

BL: Condeixa-a-Velha, 13-VI-2008, Pires, det. Corley. South and south-central Europe, extending north to Slovakia. [Larva on *Eryngium campestre*].

*Paracorsia repandalis* (Denis & Schiffermüller, 1775)

Second and third Portuguese records: TM: Amieiro, 10-IX-2006, Corley; BA: Poço do Inferno, 6-VI-2009, Corley. First recorded from Beira Baixa by MENDES (1904).

*Loxostege scutalis* (Hübner, 1813)

Third Portuguese record: BAL: Penedo Furado, 24-IV-2008, Marabuto. Previously recorded from E: Setúbal (VIEILLEDENT, 1905) and BL: Leiria (CORLEY *et al.*, 2008).

*Pyrausta nigrata* (Scopoli, 1763)

Second Portuguese record: BB: Mata, 23-IV-2007, Paulo Rodrigues, det. Marabuto. Previously recorded from TM: Serra de Montesinho (MARABUTO & MARVALHAS, 2008).

\* *Ebulea testacealis* (Zeller, 1847)

BL: Castelo do Rabaçal, 27-IX-2008, Corley & Pires. Southern half of Europe, north to Czech Republic. [Larva on *Inula* and *Pulicaria*].

LASIOCAMPIDAE

*Chondrostega vandalicia* (Millière, 1865)

Second and third Portuguese records: TM: Parque Biológico de Vinhais, 8-III-2006, caterpillar found on the ground, Jorge Gomes, det. Maravalhas; Morais, 6-IV-2008, caterpillars on *Cytisus multiflorus* and *Nardus stricta*, Marabuto. First recorded from BB: Serra da Gardunha (MENDES, 1903). (Fig. 3).

GEOMETRIDAE

*Crocallis auberti* Oberthür, 1883

Third Portuguese record. E: Serra da Pevide, 28-IX-2008, Corley, Marabuto & Pires. Previously recorded from Algarve and Beira Baixa (CORLEY *et. al.*, 2008).

*Phigalia pilosaria* (Denis & Schiffermüller, 1775)

Second and subsequent Portuguese records: TM: Rio de Onor, 7-III-1987, Maravalhas; TM: Carvalhelhos, 24-III-1989, Maravalhas; Beça, 28-III-1998, Maravalhas; BL: Sardeira, 28-III-2008, Pires; Carvalho, 30-III-2002, Maravalhas & Romão; BA: Seixo Branco, larva on *Castanea*, 7-VI-2008, Corley & Grosso-Silva. Previously recorded from TM: Zimão (MONTEIRO & MARAVALTHAS, 1987).

*Synopsis sociaria* (Hübner, 1799)

Second Portuguese record: BL: Condeixa-a-Velha, 13-VI-2008; 24-VII-2008, Pires, det. Marabuto. Previously recorded from Setúbal (VIEILLEDENT, 1905), but the record remains unconfirmed. (Fig. 4).

*Thalera fimbrialis* (Scopoli, 1763)

Third and subsequent Portuguese records: BA: Valado, 24-VII-1983, Maravalhas, M: Parque de Campismo de Cerdeirinhas, 11-VII-1992, Maravalhas; BL: Condeixa-a-Velha, 13-VI-2008, Pires, det. Corley. Previously recorded from Gerês and TM: Arcas (CRUZ & WATTISON, 1935).

*Hemistola chrysoprasaria* (Esper, 1795)

Third Portuguese locality: BL: Condeixa-a-Velha, 13-VI-2008, Pires. Previously recorded from Setúbal (VIEILLEDENT, 2005) and Algarve (MONTEIRO & CARVALHO, 1984).

*Idaea figuraria* (Bang-Haas, 1907)

Third and subsequent records: BA: Quinta da Baleia, 28-V-2005, Pires & Marabuto, det. Corley; TM: Freixo do Numão, 3-VI-2005, Corley; Abreiro station, 7-V-2007, Corley; AAL: Herdade do Esporão, 18-V-2008, Marabuto & Pires. Previously recorded in Minho and Alto Alentejo (CORLEY, 2008).

*Perizoma hydrata* (Treitschke, 1829)

Third Portuguese record BA: Poço do Inferno, 6-VI-2008, Corley. Previously recorded from Douro Litoral (MIRONOV, 2003) and Minho (CORLEY *et al.*, 2004).

(\*) *Eupithecia schiefereri* Bohatsch, 1893

BA: Poço do Inferno, 6-VI-2008, Corley; Seixo Branco, 7-VI-2008, Corley. The species was



recently excluded from the Portuguese list, because no record was ever published and no specimens were known (CORLEY, 2008). South and south-central Europe from Spain and Alps to Crimea. [Larva on seeds of *Silene italica*, *S. nutans*, *S. otites*, *Saponaria ocymoides* and *Lychnis alpina*].

\* *Eupithecia subfuscata* (Haworth, 1809)

BA: Quinta da Taberna, 28-VI-2008, Marabuto & Pires, det. Corley. Almost all Europe except far north, some Mediterranean islands and most of Greece. [Larva polyphagous on a wide range of herbaceous plants and some shrubs].

(\*) *Eupithecia millefoliata* Rössler, 1866

BL: Condeixa-a-Velha, 13-VI-2008, Pires, det. Corley; E: Serra da Pevide, larva on *Achillea ageratum* seeds, 28-IX-2008, Corley, Marabuto & Pires. This species was previously recorded from Alentejo: Serra do Mendro, VII-1978 (CARVALHO & SOUSA, 1983), but the record has been overlooked in published lists. Middle latitudes of Europe, extending north to south Finland and south to south-east Spain, Sardinia, south Italy and north Greece. [Larva on flowers and seeds of *Achillea millefolium*].

*Eupithecia weissii* Prout, 1938

Second and third Portuguese records: BL: Condeixa-a-Velha, 13-VI-2008, Pires; Castelo do Rabaçal, 27-IX-2008, Corley & Pires. Previously recorded from nearby Serra de Janeanes (CORLEY *et al.*, 2007).

*Eupithecia nanata* (Hübner, 1813)

Second and a selection of subsequent records: TM: Montouto, 29-VII-2001, Nieukerken; Arnal, 2-IX-2002, Corley; BA: Covão do Boi, 4-IX-2001, Corley; M: Carvalhal da Boalhosa, 10-V-2007, Corley; BL: Serra da Lousã, 19-V-2007, Corley, Marabuto & Pires. First recorded from BL: Condeixa (MATTOZO SANTOS, 1884). The species is widespread and rather common in northern Portugal.

*Eupithecia spadiceata* Zerny, 1933

Second Portuguese record. BA: Videmonte, 8-VI-2008, Corley & Pires. Previously recorded from TM: Beça, Boticas (CORLEY *et al.*, 2006).

*Lithostege griseata* (Denis & Schiffermüller, 1775)

Second and third Portuguese records: BAL: Forte do Vale de Beirão, 28-III-2008, Cortes & I. Rodrigues, det. Marabuto, in coll. Marabuto; BAL: Apeadeiro do Guadiana, 29-III-2008, Marabuto & I. Rodrigues. Previously recorded from Minho (CRUZ & GONÇALVES, 1955). (Fig. 5).

*Amygdaloptera testaria* (Fabricius, 1794)

Fourth and fifth Portuguese localities: ALG: Morgado de Arge, 16-IV-2004, Maravalhas; BAL: Serra de Ficalho, 7-VI-2008, Marabuto & I. Rodrigues. Previous records only from Algarve, see CARVALHO & CORLEY (1995) and CORLEY *et al.* (2000).

*Acasis viretata* (Hübner, 1799)

Fourth to sixth Portuguese localities: E: Casais da Serra, 22-II-2008, Marabuto, Pires, Cardoso & Maravalhas; M: Tebosa, 20-VII-2008, Barbut; DL: Castelo do Rabaçal, 27-IX-2008, Corley & Pires. For previous localities see CORLEY *et al.* (2008).

## NOCTUIDAE

(\*) *Victrix microglossa* (Rambur, 1858) (male genitalia in CALLE (1983), but figure is misleading; FIBIGER *et al.*, in press).



ALG: Boliqueime, actinic light, 23-IX-2008, Dale, conf. Fibiger. MONTEIRO (1975) mentions a specimen without data in the Mendes collection in MZCP, but it is not certain that it is of Portuguese origin. We know of no other record. Spain. Foodplant unknown. (Fig. 6).

*Catocala oberthuri* (Austaut, 1879)

Third and fourth Portuguese localities. AAL: Hortas de Baixo, in caves, 9-IX-1996, 5-VI-1997, Corley; E: Setúbal, found dead 25-XII-1979, Cardoso, det. Marabuto. Previously recorded from Extremadura and Ribatejo, see CORLEY (2008).

*Zebeeba falsalis* (Herrich-Schäffer, 1839)

First record outside Algarve: BAL: Forte do Vale do Beirão, IV-2008 Marabuto.

*Abrostola tripartita* (Hufnagel, 1766)

Second and third Portuguese localities: TM: Moimenta, 5-IX-2002, 3-VI-2005, Corley; BA: Seia, 9-IX-2008, Marabuto. Previously recorded from BA: Ucanha, by Gonçalves (CRUZ & GONÇALVES, 1961). Specimen seen by Corley in ZMUP.

*Pseudozarba bipartita* (Herrich-Schäffer, 1850)

Third Portuguese record: BAL: Sobral da Adiça, 5-X-2008, I. Rodrigues, det. Marabuto. Previously recorded from Algarve (CORLEY *et al.*, 2007) and Baixo Alentejo (CORLEY *et al.*, 2008).

*Eublemma cochylioides* (Guenée, 1852)

Third Portuguese record: ALG: Conceição, 6-VIII-2008, David Wilton, det. Marabuto. Previously recorded from Algarve (CORLEY *et al.*, 2000).

\**Cleonymia pectinicornis* (Staudinger, 1859)

BAL: Apeadeiro do Guadiana, 23-IV-2008, Marabuto, Dinis Cortes, I. Rodrigues & Humberto Grácio. There is an unconfirmed report from ALG: Cruzinha, Mexilhoeira Grande in 1991, Gardiner, but neither specimen nor photograph exists to confirm the record. Spain. Foodplant unknown. (Fig. 7).

*Conistra rubiginea* (Denis & Schiffermüller, 1775)

Third Portuguese record: Sardeira, 28-III-2008, Pires, det. Corley. Previously recorded from BB: São Fiel (MENDES, 1903) and Gerês (CRUZ & WATTISON, 1929).

*Lithophane leautieri* (Boisduval, 1829)

Third and fourth Portuguese records: TM: Vale de Águia, larva on *Juniperus oxycedrus*, 8-V-2007, Corley; E: Peninha, Colares, 26-X-2008, Marabuto & Cardoso. Previously recorded from Pinhão (CRUZ & GONÇALVES, 1966) and Algarve (CORLEY *et al.*, 2000).

\* *Hadula gredosi* Laever, 1977

TM: Abreiro station, 3-VI-2008, Corley. Spain (Sierra de Gredos and Cáceres). Foodplant unknown.

(\*) *Hadena silenides* (Staudinger, 1895)

BAL: Apeadeiro do Guadiana, 29-III-2008 Marabuto & I. Rodrigues. Previously given for Portugal (R: Tomar in CRUZ & GONÇALVES, 1961) and subsequently considered as Portuguese in CALLE (1982) and HACKER (1996) but there are no specimens in either Cruz's or Gonçalves' collection. South Spain. Foodplant unknown. (Fig. 8).

*Hecatera weissi* (Draudt, 1934)

AAL: Herdade do Esporão, 17-V-2008, larva on the flowers of *Galactites tomentosa*, Marabuto & Pires.

*Panolis flammea* (Denis & Schiffermüller, 1775)

Second and third Portuguese records: TM: Beça, III-2000, Maravalhas; BL: Serra da Lousã, 24-IV-2008, Pires. Previously recorded from Gerês (CARVALHO, 1986).

*Diarsia guadarramensis* (Boursin, 1928)

Third Portuguese record, chronologically the first: BA: Espiguiinho, 13-VII-1983, 20-VIII-1984, Carvalho, *in coll.* Cardoso, det. Marabuto. Previously known from BL: Lousã (CORLEY *et al.*, 2006) and BA: Serra da Estrela (CORLEY *et al.*, 2008).

## ARCTIIDAE

(\*) *Eilema marcida* (Mann, 1859)

This species was recorded from Torres Vedras by MENDES (1910), but the record has until now been assumed to belong to *E. pygmaeola* (Doubleday, 1847). It has recently been recognized as a Spanish species and distinguished from *E. pygmaeola* (GASTÓN *et al.*, 2007). Examination of some Portuguese specimens labelled *E. pygmaeola* has revealed two records: ALG: Fonte de Apra, 9-IX-1991, Corley; BAL: Sobral da Adiça, 5-VI-2008, Corley, Marabuto & I. Rodrigues. Western Mediterranean from Spain to Corsica, Italy and Sicily, but distribution poorly known. Larva presumably on lichens, like its congeners. The presence of *E. pygmaeola* in Portugal now requires confirmation.

## Recent literature affecting the Portuguese Lepidoptera fauna list

CORLEY (2008) gives results of examination of various historic collections of Portuguese Lepidoptera. 85 species can be deleted from the fauna because they are based on certain or near certain misidentifications (not all these are the result of new information); 15 species should be deleted because the material on which the records is based has been destroyed and cannot be verified; 10 species are shown to be based on misidentified material, but the species are retained in the Portuguese list because there are recent records of genuine material; 13 species are added to, or confirmed for the Portuguese fauna; 43 species which have not been found by recent workers are confirmed from old specimens.

CORLEY *et al.* (2008) add 38 species to the Portuguese fauna and delete two species.

GOZMÁNY (2008) gives records for two species of *Symmoca* (*S. dodecatella* Staudinger, 1859 and *S. oenophila* Staudinger & Wocke, 1871) not previously listed for Portugal.

LAŠTŮVKA & LAŠTŮVKA (2007) includes new records of some *Phyllonorycter* species from Portugal, but no additional species.

LAŠTŮVKA & LAŠTŮVKA (2008) add *Trifurcula orientella* Klimesch, 1953 and *Para-fomoria tingitella* (Walsingham, 1904) to the Portuguese fauna, the latter is also new for Europe.

MARABUTO (2008) provides new data on the biology and distribution of *Euchloe tagis*.

MARABUTO & MARAVALHAS (2008) provide records from the Montesinho- Nogueira area in north-east Portugal, including six species new for Portugal.

SINEV (2007) adds *Blastobasis magna* Amsel, 1952 to the Portuguese fauna, but see comments in list of families and species above.

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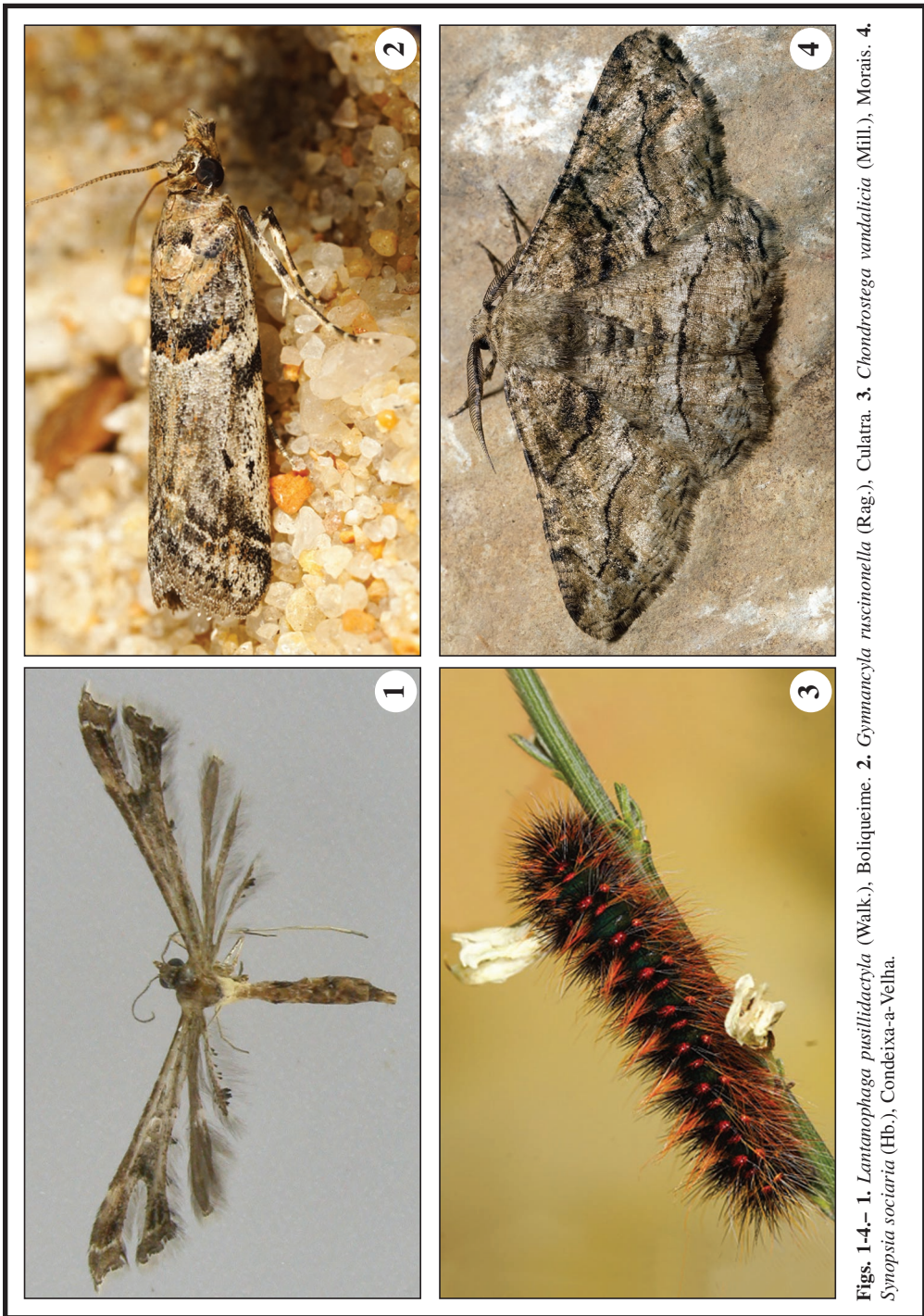
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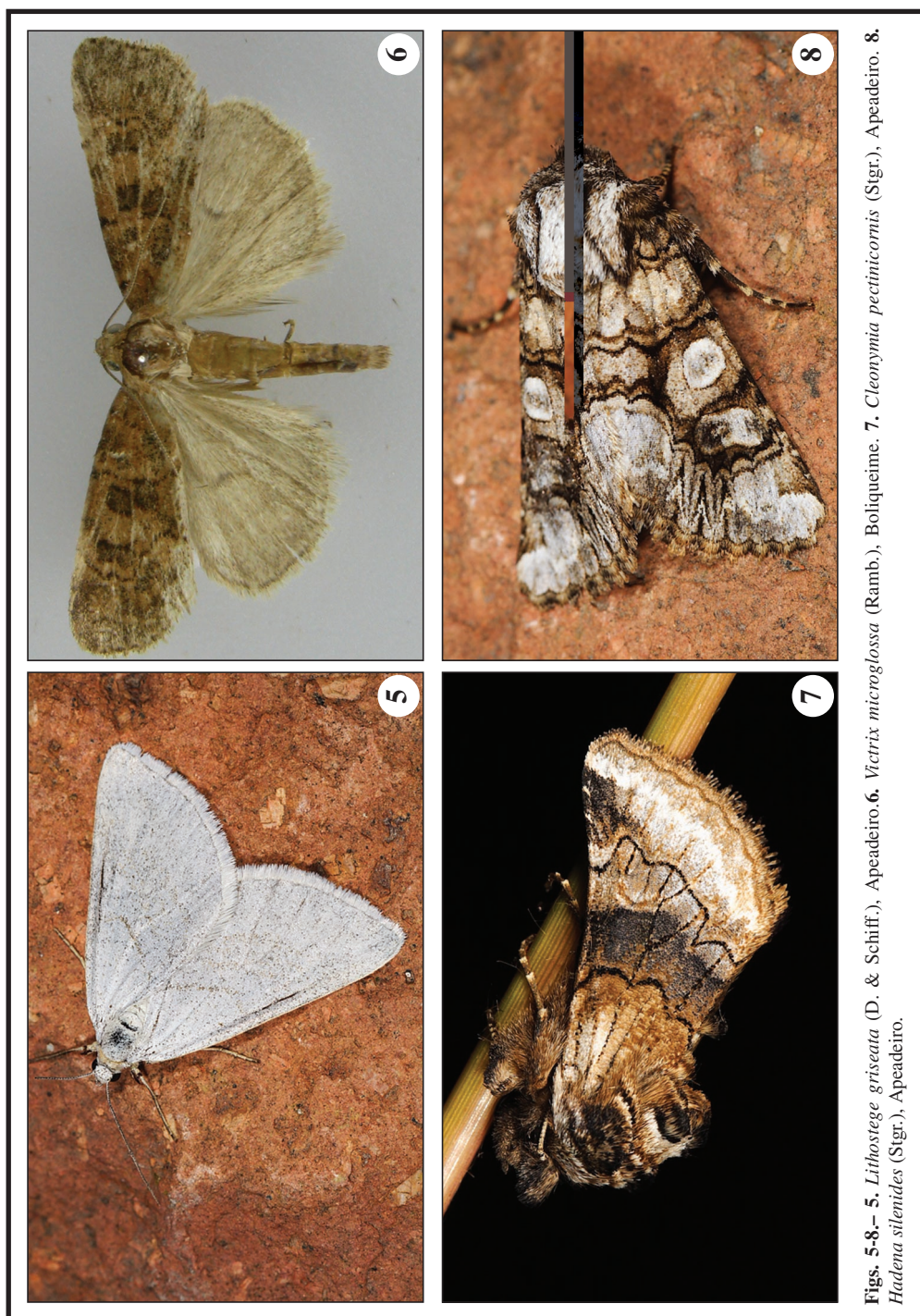
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**Figs. 1-4.** 1. *Lantanophaga pusillidactyla* (Walk.), Boliquireme. 2. *Gymnancyla ruscionella* (Rag.), Culatra. 3. *Chondrostega vandalcia* (Mill.), Morais. 4. *Synopsis sociaria* (Hb.), Condeixa-a-Velha.



**Figs. 5-8.**– 5. *Lithostege griseata* (D. & Schiff.), Apeadeiro. 6. *Victrix microglossa* (Ramb.), Boliquireme. 7. *Cleonymia pectinicornis* (Stgr.), Apeadeiro. 8. *Hadena silenides* (Stgr.), Apeadeiro.